

*AMENDMENTS TO THE CLAIMS*

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A wireless heart rate monitoring system comprising:  
a detection unit and a display unit, the detection and display units being  
separate and co-operatively in communication via a wireless link, wherein  
the detection unit comprises:
  - a detector casing,
  - attaching means at the casing for attaching the detector casing to  
a user,
  - a single heart rate detector at the detector casing for detecting  
electrocardiogram (ECG) pulses of the user,
  - a microprocessor in the detector casing for computing a heart rate  
based on the ECG pulses detected by the single heart rate detector,
  - a transmitter at the detector casing, controlled by the  
microprocessor to transmit, at substantially fixed intervals, in one of a plurality of  
time slots within each fixed interval, a wireless signal indicative of the heart rate  
computed by the microprocessor, to the display unit, and
  - timing means for controlling the transmitter to transmit within  
one of the time slots and including a manually operable operator for selecting amongst  
the time slots to avoid interference with the display unit of another identical wireless  
heart rate monitoring system; andthe display unit comprises:
  - a display casing,
  - a receiver at the display casing for receiving the wireless signal  
from the detection unit, and

a display ~~at~~ in the display casing for displaying the heart rate received by the receiver.

2. (Previously Presented) The monitoring system as claimed in claim 1, wherein the attaching means comprises at least one strap for attaching around the chest of the user.

3. (Currently Amended) The monitoring system as claimed in claim 1, wherein the display unit is ~~wrist-mounted~~ wrist-mountable on the wrist of user.

4. (Original) The monitoring system as claimed in claim 1, wherein the transmitter comprises a radio frequency transmitter and the receiver comprises a radio frequency receiver.

Claims 5-8 (Cancelled).

9. (Previously Presented) The monitoring system as claimed in claim 1, wherein the transmitter transmits, as the wireless signal, a coded data packet that includes data representing the heart rate computed by the microprocessor.

10. (Previously Presented) The monitoring system as claimed in claim 9, wherein the transmitter transmits, within the coded data packet, a code identifying the detection unit.

11. (New) A wireless heart rate monitoring system comprising:  
a detection unit and a display unit, the detection and display units being separate and co-operatively in communication via a wireless link, wherein  
the detection unit comprises:  
a detector casing,

attaching means at the casing for attaching the detector casing to a user,

a heart rate detector at the detector casing for detecting electrocardiogram (ECG) pulses of the user,

a microprocessor in the detector casing for computing a heart rate based on the ECG pulses detected by the heart rate detector,

a transmitter at the detector casing, controlled by the microprocessor to transmit, at substantially fixed intervals, in one of a plurality of time slots within each fixed interval, a wireless signal indicative of the heart rate computed by the microprocessor, to the display unit, and

timing means for controlling the transmitter to transmit within one of the time slots and including a manually operable operator for selecting amongst the time slots to avoid interference with another wireless heart rate monitoring system; and

the display unit is a wrist-mountable unit mountable on a wrist of the user and that comprises:

a display casing,

a receiver at the display casing for receiving the wireless signal from the detection unit, and

a display in the display casing for displaying to the user the heart rate received by the receiver.

12. (New) The monitoring system as claimed in claim 11, wherein the attaching means comprises at least one strap for attaching around the chest of the user.

13. (New) The monitoring system as claimed in claim 11, wherein the transmitter comprises a radio frequency transmitter and the receiver comprises a radio frequency receiver.

14. (New) The monitoring system as claimed in claim 11, wherein the transmitter transmits, as the wireless signal, a coded data packet that includes data representing the heart rate computed by the microprocessor.

15. (New) The monitoring system as claimed in claim 14, wherein the transmitter transmits, within the coded data packet, a code identifying the detection unit.